Contact Details

USB-Instruments Web Site	http://www.usb-instruments.com
E-Mail (support)	support@usb-instruments.com
On-Line User Manual	http://www.usb-instruments.com/ant8/Help/helpmain.htm

In the event of a hardware problem, please contact the distributor where you purchased the product.

Disclaimer

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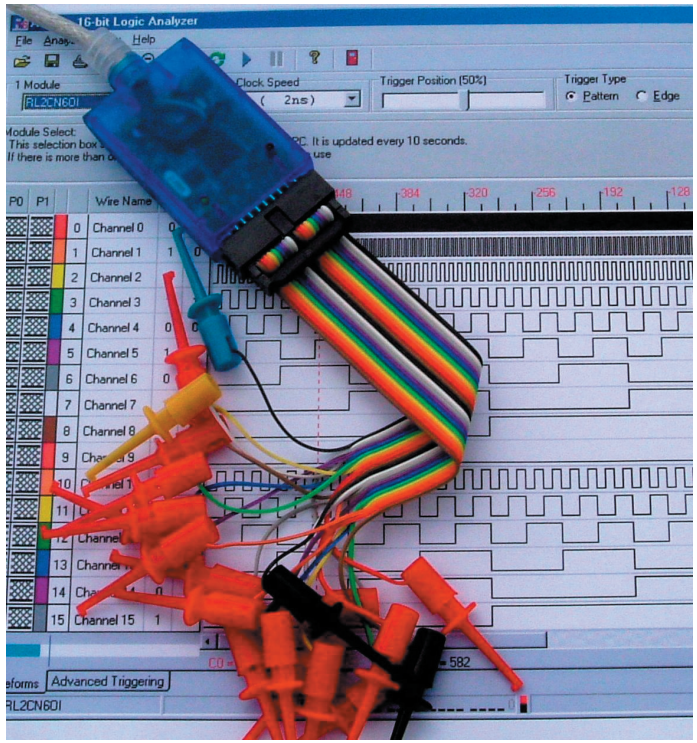
usb-instruments.com

Ant16 Getting Started Guide

The Ant8 logic analyzer is compact, easy to use, powerful, and inexpensive.

KEY FEATURES -

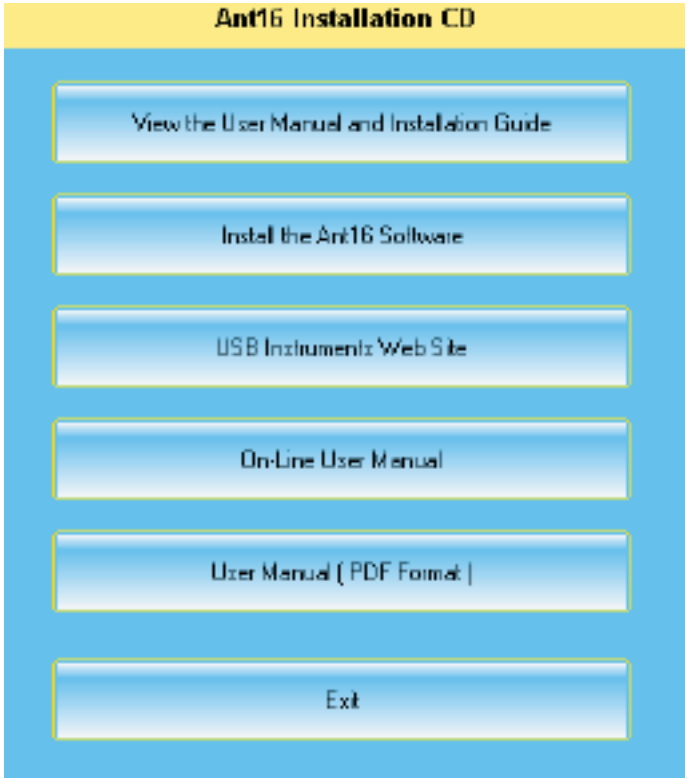
* Ultra-portable - fits in a pocket.
* Powered from USB port - no additional power supply required
* 16 Channels, 2048 samples deep
* 500MHz sampling speed
* Applications run on any recent version of Windows
* Inexpensive
* Simple or Complex triggering
* Software upgradeable
* View captured traces on the display of your PC



ANT16 Specification	
Acquisition Logic	
Sample Rate	500MHz maximum, 100Hz minimum. 5-2.5-1 sequence.
Channels	16, numbered 0 to 15
Memory Depth	2048 samples
Threshold	0.8V to 2.5V, in steps of 0.1V
Minimum Input	0.5V below threshold for Lo, 0.5V above threshold for Hi
Trigger Connections	Trigger In and Trigger Out. Trigger In is only available in asynchronous clocking mode (using the internal clock). In synchronous clocking mode, this connection becomes Clock In.
Input Skew	less than 2ns, channel to channel
Input Impedance	100Kohms in parallel with 10pF
Maximum Input Voltages	+40V down to -40V
Triggering	
Conditions	0, 1, Rising Edge, Falling Edge, Either Edge, and DON'T CARE for all channels.
Pattern Recognisers	2
Edges	Trigger on the condition becoming TRUE or on the condition becoming FALSE
Pass Count	0 to 1023
Trigger Logic	Multi-state trigger logic with Edge, Pattern, and Complex triggering. Complex triggering includes occurrence counting and minimum and maximum duration measurement.
Trigger Position	10% to 90% of buffer, in 10% steps
Environmental	
Operating Temperature	5°C to 40°C
Storage Temperature	-40°C to 75°C
Size	65 mm x 35mm x 15mm (2.5" x 1.4" x 0.6")
Power Consumption	2.2W maximum
Power Source	Via USB cable. No external power supply.
Computer Connection	USB connection to computer. Includes an attached USB cable.
Software Features	
Host Computer	Logic Analyzer front panel software included for Windows 98/ME/2000/XP
Print Waveforms	Yes
Data Output	Text File and CSV File
Cursors	1 main cursor plus 1 auxiliary cursor

Installing the software and USB Drivers

The Ant16 software and USB drivers are provided on the enclosed CD. Please insert the CD into the CD-ROM drive of the host PC ***before*** attaching the Ant16 USB cable for the first time. After a few seconds the following menu will appear. Click on "View the User manual and Installation Guide" first and review the Software and USB Driver installation proceedures in the Getting Started section. Then click on "Install the Ant16 Software" to start the software installation process and follow the instructions on the screen.


Ant16 Installation CD
View the User Manual and Installation Guide
Install the Ant16 Software
USB Instruments Web Site
On-Line User Manual
User Manual (PDF Format)
Exit

After the software has been installed, plug the instrument directly into the USB port of the host PC or into a self-powered USB hub. This will initiate the USB driver installation procedure (refer to the USB Driver installation guide in the Getting Started section of the User Manual).

NOTE : ***The Ant16 requires and operating current of ~ 400mA and so cannot be plugged into a bus-powered USB hub.***